

ABSTRACT OF THE DISCLOSURE

This discharge power supply apparatus is for supplying a D. C. voltage to a discharge load 6 and discharging the same. The discharge power supply apparatus includes an inverter circuit 2 that converts D. C. voltage to A. C. voltage; a transformer 3 having a primary winding 3a to which the A. C. voltage output by the inverter circuit 2 is supplied and a secondary winding 3b; a full-wave rectifier circuit 4 that has a plurality of diodes 4A to 4D and rectifies the A. C. voltage generated by the secondary winding 3b; and a trigger capacitor 7 connected in parallel to a part of the diodes of the full-wave rectifier circuit 4.